



CITRUS FEBRUARY FORECAST

MATURITY TEST RESULTS AND FRUIT SIZE

Cooperating with the Florida Department of Agriculture & Consumer Services
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February 8, 2013

All Orange Production Down Less than 1 Percent
Valencia Orange Production Down 1 Percent
All Grapefruit Production Unchanged
All Tangerine Production Down 3 Percent
Tangelo Production Down 9 Percent
FCOJ Yield 1.62 Gallons per Box (42° Brix)

FORECAST DATES	-	2012-2013 SEASON
[Release time 12:00 p.m. EDT]		
March 8, 2013		May 10, 2013
April 10, 2013		June 12, 2013
		July 11, 2013

Citrus Production by Type and State – United States

Crop and State	Production ¹			2012-2013 Forecasted Production ¹	
	2009-2010 (1,000 boxes)	2010-2011 (1,000 boxes)	2011-2012 (1,000 boxes)	January (1,000 boxes)	February (1,000 boxes)
Non-Valencia Oranges ²					
Florida	68,600	70,300	74,200	66,000	66,000
California ³	42,500	48,000	45,500	46,500	46,500
Texas ³	1,360	1,700	1,108	1,220	1,220
United States	112,460	120,000	120,808	113,720	113,720
Valencia Oranges					
Florida	65,100	70,200	72,400	76,000	75,000
California ³	15,000	14,500	13,500	13,000	13,000
Texas ³	275	249	311	286	286
United States	80,375	84,949	86,211	89,286	88,286
All Oranges					
Florida	133,700	140,500	146,600	142,000	141,000
California ³	57,500	62,500	59,000	59,500	59,500
Texas ³	1,635	1,949	1,419	1,506	1,506
United States	192,835	204,949	207,019	203,006	202,006
Grapefruit					
Florida-All	20,300	19,750	18,850	18,000	18,000
White	6,000	5,850	5,350	5,000	5,000
Colored	14,300	13,900	13,500	13,000	13,000
California ³	4,500	4,310	4,400	4,000	4,000
Texas ³	5,600	6,300	4,800	5,280	5,280
United States	30,400	30,360	28,050	27,280	27,280
Lemons					
California ³	21,000	20,500	20,500	20,500	20,500
Arizona ³	2,200	2,500	750	1,800	1,800
United States	23,200	23,000	21,250	22,300	22,300
Tangelos					
Florida	900	1,150	1,150	1,100	1,000
Tangerines					
Florida-All	4,450	4,650	4,290	3,800	3,700
Early ⁴	2,250	2,600	2,330	2,000	2,000
Honey	2,200	2,050	1,960	1,800	1,700
California ^{3,5}	9,900	10,600	10,900	11,800	11,800
Arizona ^{3,5}	350	300	200	200	200
United States	14,700	15,550	15,390	15,800	15,700

¹ Net pounds per box: oranges in California-80 (75 prior to the 2010-2011 crop year), Florida-90, Texas-85; grapefruit in California-80 (67 prior to the 2010-2011 crop year), Florida-85, Texas-80; lemons-80 (76 prior to the 2010-2011 crop year); tangelos-90; tangerines and mandarins in Arizona and California-80 (75 prior to the 2010-2011 crop year), Florida-95.

² Navel and miscellaneous varieties in California. Early (including Navel) and midseason varieties in Florida and Texas. Includes small quantities of tangerines in Texas and Temples in Florida.

³ Estimates carried forward from previous forecast.

⁴ Fallglo and Sunburst varieties.

⁵ Includes tangelos and tangors.

All Oranges 141.0 Million Boxes

The 2012-2013 Florida all orange forecast released today by the USDA Agricultural Statistics Board is 141.0 million boxes, down less than 1 percent from January, and 4 percent less than last season's production. The total includes 66.0 million boxes of the non-Valencia oranges (early, midseason, Navel, and Temple varieties) and 75.0 million boxes of Valencia oranges.

The hurricane seasons of 2004-2005 and 2005-2006 have been excluded from the usual 10-year regression analysis and from comparisons of the current season to previous seasons. For those previous 8 seasons, the February forecast has deviated from final production by an average of 3 percent with 2 seasons above and 6 below, and differences ranging from 4 percent below to 9 percent above. All references to "average" or "minimum" refer to the previous 8 non-hurricane seasons unless otherwise noted.

Non-Valencia Oranges 66.0 Million Boxes

The forecast of non-Valencia production is unchanged at 66.0 million boxes. Size and drop components were final last month. The Row Count survey conducted on January 29-30, 2013 shows 79 percent of the early-midseason rows, and 97 percent of the Navel rows have been harvested. Estimated utilization to February 1st, with an allocation for non-certified fruit, has surpassed 54.1 million boxes. The Navel forecast, included in the non-Valencia portion of the forecast, is unchanged at 2.2 million boxes.

Valencia Oranges 75.0 Million Boxes

The forecast of Valencia production is lowered by 1.0 million boxes to 75.0 million boxes. Current fruit size is above the minimum and is projected to be near the minimum at harvest. Droppage measurements showed a steep increase in the past month and are expected to be well above average at harvest.

All Grapefruit 18.0 Million Boxes

The forecast of all grapefruit production is unchanged at 18.0 million boxes. The white grapefruit forecast continues at 5.0 million boxes; the colored grapefruit forecast remains at 13.0 million boxes. Final fruit sizes for both white and colored grapefruit are the smallest in a series which began with the 1968-1969 season. Final droppage rates for both white and colored grapefruit are the highest in any season not affected by a freeze or hurricane. The Row Count Survey conducted January 29-30, 2013 indicated 27 percent of the colored grapefruit and only 14 percent of the white grapefruit were harvested.

All Tangerines 3.7 Million Boxes

The forecast of all tangerine production is lowered 100,000 boxes to 3.7 million boxes. The early tangerine forecast (Fallglo and Sunburst) is unchanged at 2.0 million boxes. Early tangerine harvest is complete for this season. The forecast of the later maturing Honey variety is reduced to 1.7 million boxes. Final Honey fruit size, the smallest in a series which began with the 1980-1981 season, would require 321 pieces of fruit to fill a 1-3/5 bushel box. The droppage rate is slightly below the maximum.

Tangelos 1.0 Million Boxes

The forecast of tangelo production is lowered 100,000 boxes to 1.0 million boxes. Estimated utilization to the 1st of February is 900,000 boxes. The Row Count survey conducted January 29-30, 2013 showed 74 percent of the rows were harvested.

FCOJ Yield 1.62 Gallons per Box

The projection for frozen concentrated orange juice (FCOJ) is raised to 1.62 gallons per box of 42° Brix concentrate. The yield projection for the non-Valencia oranges is lowered to 1.49 gallons per box while the projection for Valencia oranges is raised to 1.73 gallons per box. Last season's final yield for all oranges was 1.628480 gallons per box, as reported by the Florida Department of Citrus. Last season's final yield for the components were 1.529715 for non-Valencia oranges and 1.745597 for Valencia oranges.

Forecast Components, by Variety — Florida: February 2013

[Survey data is considered final in December for Navels, January for early-midseason oranges, February for grapefruit, and April for Valencias]

Type	Bearing trees (1,000 trees)	Fruit per tree (number)	Droppage (percent)	Fruit per box (number)
ORANGES				
Early-midseason.....	23,741	1,032	18	274
Navel.....	1,013	409	27	137
Valencia	32,049	661	18	227
GRAPEFRUIT				
White.....	1,314	550	22	120
Colored	3,581	492	20	125

Maturity

Regular bloom fruit samples were collected from groves on established routes on January 29-30, 2013 in Florida's five major citrus producing areas and tested January 31, 2013. Acid levels are lower than the previous season on early oranges but higher on midseason and late oranges; solids (Brix) are lower on early and late oranges. All orange varieties have lower ratios than last season. Compared to last month, unfinished juice per box is down for early and midseason oranges, but higher for late oranges. Solids per box are lower for early and late oranges compared to last season. The Indian River acid level on late oranges is higher than in other areas, resulting in lower ratios. Unfinished juice and solids per box are higher for Indian River late oranges.

Citrus Unadjusted Maturity Tests — Florida: 2011-2012 and 2012-2013

[Averages of regular bloom fruit from sample groves. Juice and solids per box are unadjusted and not comparable to juice processing plant test results. All samples were run through an FMC 091 machine using mechanical pressure only. This machine utilizes a .040 short strainer and standard 5/8 inch orifice tube. The beam settings are also identical to past tests and no restrictors are used]

Fruit type (number of groves) test date	Acid		Solids (Brix)		Ratio		Unfinished juice per box		Solids per box	
	2011-2012	2012-2013	2011-2012	2012-2013	2011-2012	2012-2013	2011-2012	2012-2013	2011-2012	2012-2013
	(percent)	(percent)	(percent)	(percent)			(pounds)	(pounds)	(pounds)	(pounds)
ORANGES										
Early (24-29)										
Sep 1.....	1.42	1.32	9.58	9.31	6.81	7.15	45.31	45.77	4.34	4.82
Oct 1.....	1.04	1.04	9.96	9.56	9.76	9.40	49.06	48.12	4.88	4.60
Nov 1.....	0.83	0.83	10.71	10.30	13.36	12.65	49.91	52.89	5.35	5.44
Dec 1.....	0.73	0.80	11.38	11.02	15.78	14.01	50.73	52.09	5.78	5.74
Jan 1.....	0.72	0.76	12.05	11.37	17.06	15.04	52.11	50.94	6.27	5.79
Feb 1.....	0.71	0.69	12.60	12.09	17.98	17.65	50.41	49.95	6.36	6.03
Midseason (17-15)										
Sep 1.....	1.53	1.45	9.38	9.33	6.23	6.57	46.00	46.48	4.31	4.34
Oct 1.....	1.11	1.19	9.87	9.55	9.04	8.09	49.62	48.62	4.90	4.64
Nov 1.....	0.95	0.95	10.60	10.39	11.42	11.16	52.56	51.29	5.57	5.33
Dec 1.....	0.82	0.95	11.41	11.26	14.21	11.97	54.02	52.64	6.17	5.92
Jan 1.....	0.75	0.91	11.79	11.86	15.86	13.29	51.08	52.75	6.04	6.24
Feb 1.....	0.79	0.85	12.36	12.57	15.77	15.10	50.51	52.14	6.25	6.54
Late (147-150)										
Sep 1.....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Oct 1.....	2.11	2.16	8.92	8.81	4.29	4.17	48.53	45.00	4.33	3.97
Nov 1.....	1.53	1.69	9.45	9.29	6.32	5.60	51.57	51.32	4.87	4.77
Dec 1.....	1.37	1.51	10.31	10.10	7.66	6.84	55.03	53.56	5.68	5.41
Jan 1.....	1.17	1.34	11.36	10.90	9.87	8.26	55.98	54.56	6.36	5.95
Feb 1.....	1.11	1.13	12.14	11.80	11.07	10.62	55.71	55.62	6.76	6.56

(NA) Not available.

Citrus Maturity Test Averages, by Areas — Florida: February 1, 2011-2012 and 2012-2013

Fruit type (number of groves)	Acid		Solids (Brix)		Ratio		Unfinished juice per box		Solids per box	
	2011-2012	2012-2013	2011-2012	2012-2013	2011-2012	2012-2013	2011-2012	2012-2013	2011-2012	2012-2013
	(percent)	(percent)	(percent)	(percent)			(pounds)	(pounds)	(pounds)	(pounds)
ORANGES										
Late										
Indian River (27-27).....	1.21	1.16	12.41	11.82	10.38	10.28	57.56	55.81	7.14	6.60
Other Areas (120-123).....	1.09	1.12	12.08	11.80	11.23	10.69	55.29	55.57	6.68	6.55

Fruit Size Comparisons by Types to Previous Seasons

Size frequency distributions from the January size survey are shown in the following table. The distributions are by percent of fruit falling within the size range of each 4/5-bushel container. These frequency distributions include fruit from regular bloom and exclude fruit from summer bloom.

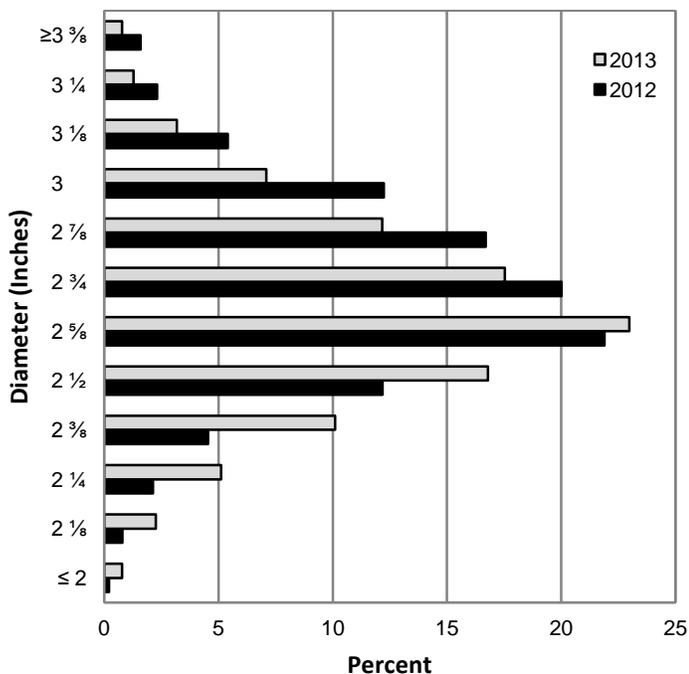
Citrus Size Frequency Measurement Distributions, by Type — Florida: January Survey

Type and number of fruit per 4/5 – bushel containers	2011	2012	2013	Type and number of fruit per 4/5 – bushel containers	2011	2012	2013
	(percent)	(percent)	(percent)		(percent)	(percent)	(percent)
VALENCIA ORANGES				WHITE GRAPEFRUIT ¹			
64 or less	2.8	5.9	3.4	32 or less	9.4	14.0	5.1
80	13.1	23.8	14.6	36	20.2	19.1	10.5
100	34.7	38.9	34.0	40	19.5	16.3	10.8
125	31.4	23.7	29.8	48	18.3	17.5	15.0
163 or more	18.0	7.7	18.2	56	12.4	10.3	12.8
				63 or more	20.2	22.8	45.8
HONEY TANGERINES				COLORED GRAPEFRUIT			
80 or less	18.0	24.2	9.2	32 or less	5.3	10.8	1.5
100	33.4	25.0	19.1	36	12.6	16.0	7.7
120	24.6	23.0	29.2	40	15.2	15.4	10.0
176	9.6	11.7	17.3	48	20.2	18.2	14.8
210 or more	14.4	16.1	25.2	56	16.1	11.9	11.5
				63 or more	30.6	27.7	54.5

¹ Excludes seedy.

The charts below show the distribution of fruit sizes in 2013 compared to 2012. The diameter measurements shown are the minimum values of each eighth inch range, except for the smallest values.

Fruit Size Frequency Measurements, Valencia Oranges, by Diameter - Florida: January Survey



Fruit Size Frequency Measurements, White Seedless Grapefruit, by Diameter - Florida: January Survey

